# Attachment A

# Washington 2022 Wildfire Mitigation Update November 3, 2022

Presenter: Allen Berreth, VP of T&D Operations







Pacific Power Rocky Mountain Power

# Agenda

WILDFIRE SA

- $\checkmark\,$  Plan Development and Journey
- ✓ Wildfire Mitigation Plan Foundation & Elements
  - ✓ Baseline Risk Assessment
  - ✓ Strategic Programs & System Hardening
  - ✓ Dynamic Risk through Situational Awareness
  - ✓ Public Safety Power Shut-Off Protocols
  - ✓ Community Outreach & Education

		CIFIC POWER
	Staying safe during wildfire season As widfires become more frequent and intense throughout the West our for you and your community safe. Index rig you from this increasing thread, while with safe, relative power, is our highest prior by liveria where only and you can do to stay prepared.	zous is on seeong le presiding you
	What we're doing	
	Reclarge water newspace is show offer this type to manage youthing and the ratio by	Understanding public safety power shutoffs Waratking avaited rapid to accept to contribute values and the provet while inten in high free delaress, so may turn off power along specific provide. These safety half safety fewer Sex off
Varcouver Salish Sea Beilingh Victoria Mount	PUBLIC SAFETY PUBLIC SAFETY PU	Why would a Public Safety Power Shutoff happen? No means of accurate the denote a dealing maket with the second s
	Keeping you informed Consistences to a survey of signal signal signal signal sources and your Pacific Powe consistences the side survey. - Power for discourse. - Power for an ange. - Epidees to power encourse.	What risk factors do we monitor? Folio Selity Rowr Structional be attract only in speafs, proplemet was when costing-point cost dost criste in extreme whether tilk. We moneor a range of factors before triggering a Public Subcy Puwar Structif induling:
ympic ttional Park Seattle- Tacoma	E Wenatchee North Law Law Martine National	Der vegetation wir own sundalaktin tai      Construction      Each WHERE        Main of the sundalaktin tai      Construction      Construction      Construction        Main of the sundalaktin tai      Construction      Construction      Construction      Construction
Olympia	Mit Rainer N.P. Gifford Pinchot Vakama Indian	Moscow Lewiston Nez F

# Plan Development and Journey

• PacifiCorp's 2022 Wildfire Mitigation Plan (WMP) builds upon multiple years of experience, program development, and formal rulemaking and process across various states



#### **2022 Fire Season Activity**

WILDFIRE SAF

Fire Name	Acreage	Date of Origin	Service Area	County	Distance from Fire	Infrastructure Damage
Touchet North	2,153	6/28/2022	Walla Walla	Walla Walla	1.9 miles	No
Van Ausdle	843	7/29/2022	Walla Walla	Walla Walla	0.9 mile	No
Cow Canyon	5,832	8/3/2022	Yakima	Yakima	0 mile	No
Canyon Road	1,033	8/10/2022	Yakima	Yakima	0 mile	No
Medicine Valley	300	8/26/2022	Yakima	Yakima	0.1 mile	No

### Key Changes in 2022

- Development of Meteorology Department
- ✓ Weather Station Network Buildout
- ✓ Increased Forecasting Capability
- ✓ Situational Awareness Tool Development

#### POWERING YOUR GREATNESS

# Wildfire Protection Plan Foundation & Elements

#### Situationally aware of environmental risks

- Baseline risk modeling to inform strategic programs and investments
- Dynamic seasonal risk modeling to inform operational protocols
  - $\checkmark~$  Fire weather condition monitoring
  - ✓ Meteorology department & forecasting

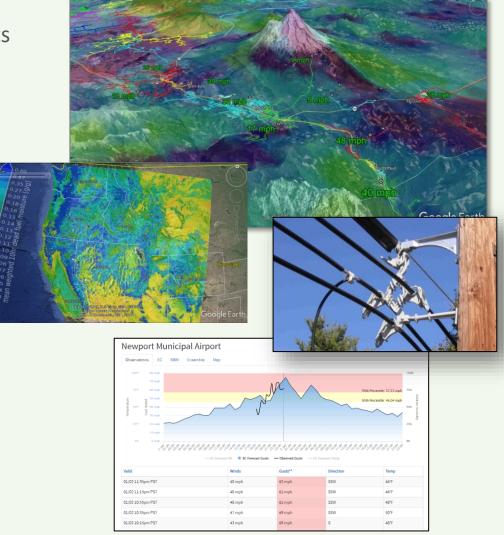
# **Resilient system to limit potential for ignition**

- Enhanced inspection programs and accelerated correction of certain conditions
- Enhanced vegetation management practices
- Deployment of covered conductor / line rebuilds

#### **Rapid response to fault events**

- Deploy Enhanced Fire Risk (EFR) protection and control schemes
- Replace fuse locations with non-expulsion equipment
- Implement operational strategies during fire risk periods
- Install additional fault indicators

WILDFIRE SAFE



# Baseline Risk Mapping for Strategic Investment

#### **General Stats**

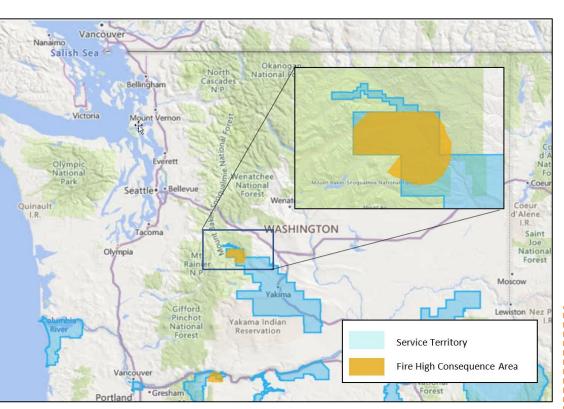
PacifiCorp provides electricity to approximately **140,000 Washington customers** via **49 substations**, **3,400 miles** of distribution lines, and about **600 miles** of transmission lines across nearly **2,700 square miles** 

#### System Wide Initiatives

✓ Weather Stations
 ✓ Situational Awareness
 ✓ Operational Protocols
 ✓ Community Education and Outreach

WILDFIRE SAFE

#### Washington Service Territory





**Enhanced Vegetation** 

Management



Approximately **20 miles** or 1% of all **overhead lines** are located within the FHCA

20 miles of overhead distribution in the FHCA;

0 miles of overhead transmission in the FHCA

Programmatic Shifts	Prioritized System
✓ Increased Frequency of	Hardening
Asset Inspections ✓ Accelerated Condition Correction	<ul><li>✓ Line rebuilds</li><li>✓ Covered Conductor</li></ul>

 Advanced Protection and Control

#### POWERING YOUR GREATNESS

# Strategic Programs & Long-Term Investment

# **Asset Inspections**

- ✓ Increased frequency of inspections in the FHCA
- Accelerated
  correction of Fire
  Threat Conditions

# **Vegetation Management**

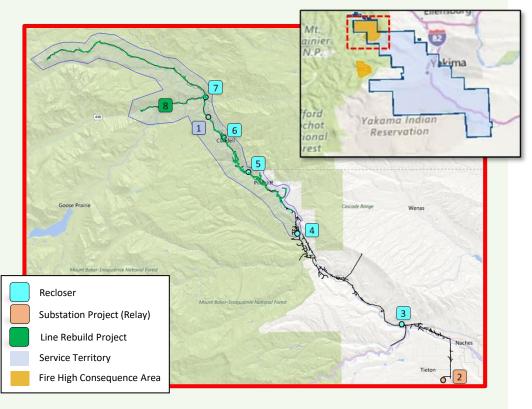
- ✓ Annual inspection in the FHCA
- Annual pole clearing of equipment poles

WILDFIRE SAFET



# **System Hardening**

- ✓ Multi-year investment
- ✓ Line Rebuild Program
- ✓ Advanced Protection and Control



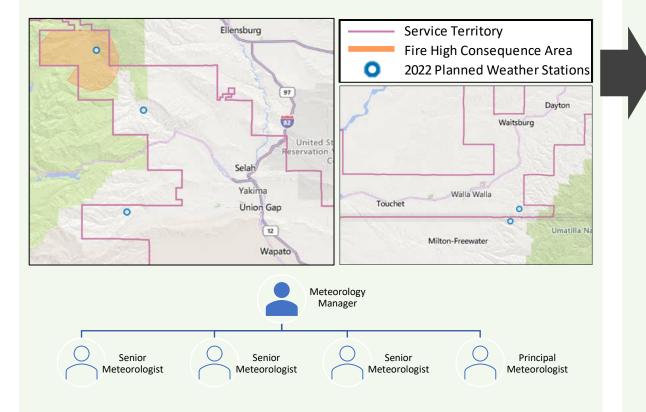


# Dynamic Risk Assessment through Situational Awareness

# **Weather Station Network**

WILDFIRE SAFE

- 8 stations operational in Washington by EOY 2022
- Continued expansion for added granularity



## **Augmented Work Practices**

- Acquire and maintain key equipment (water trucks and personal suppression equipment)
- Implement risk-based work practices and resource adjustments

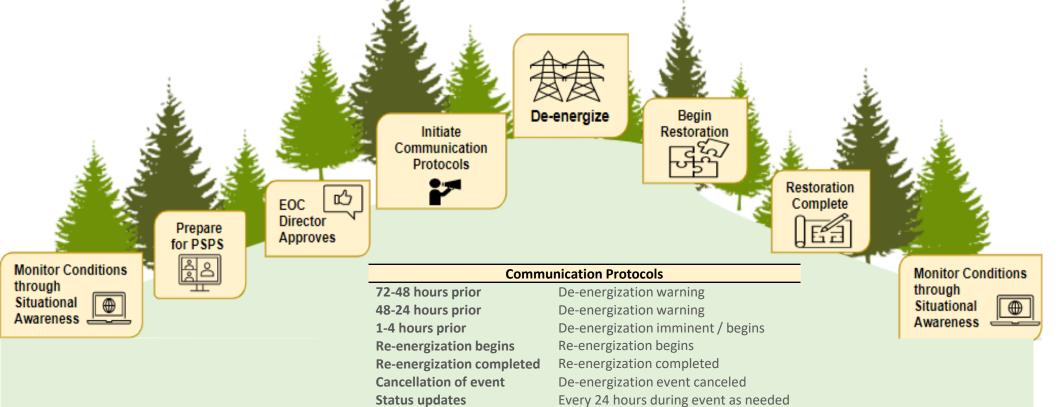
# Enhanced Fire Risk (EFR) Protection and Control Settings

- Risk based deployment of alternate settings
  - Faster tripping
  - Increased open times
  - Reduced reclosing



# **PSPS Implementation Protocols**

- Conditions are continuously monitored to assess risk
- Decision incorporates multiple factors:
  - ✓ Real Time Monitoring of Local Conditions
  - ✓ Weather Forecasting & Risk
  - ✓ Dynamic input from Public Safety Partners



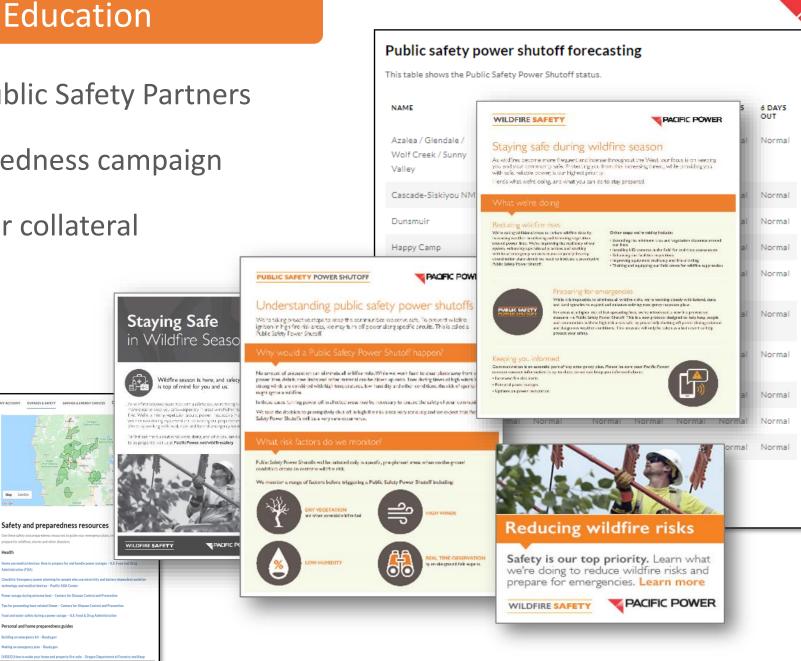
WILDFIRE **SAFETY** 

# **Community Outreach and Education**

- Tabletop exercises with Public Safety Partners  ${}^{\bullet}$
- Wildfire safety and preparedness campaign

Mag Satelite

- Brochures, flyers and other collateral
- Customer service training
- Webpage
- Webinars



POWERING YOUR GREATNESS





# Thank you



Pacific Power Rocky Mountain Power